

DELTA-SIGMA MODULATOR SYSTEM AND METHOD

ABSTRACT OF THE DISCLOSURE

The invention discloses a system and method for improving the out-of-band noise response of a multi-order delta-sigma modulator. The system and method includes programmable delta-sigma modulators which may be programmed to vary the reference signals at each modulator stage subsequent to the first stage relative to the reference signal of
5 the first modulator stage. The resulting signal output will then typically exhibit the enhanced noise suppression characteristics of a dithered signal without the added circuitry and power required of a dithering apparatus.

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